

High-speed Ethernet-based Dual T1 CPE

- ✓ *Provides 'Plug & Play' operation with NO configuration requirements*
- ✓ *Configuration-free operation minimizes truck rolls*
- ✓ *Supports T1 and Fractional T1 data rates up to 1.5Mbps per T1 line (up to 3Mbps per bond-group)*
- ✓ *Integrated CSU/DSU saves time, money, and rack space*
- ✓ *Connects directly to any 10/100 Mbps Ethernet port on a PC or LAN*
- ✓ *Loop Bonded links have automatic failover and recovery for increased network resilience*
- ✓ *Used in point-to-point configurations, with the Zhong Hone MALC Multi-Service Access Platform, or with the IPD12000E/4000E IP-DSLAM*

Part of Zhong Hone's EtherXtend product family, the TNE1520 allows Carriers, ISPs and PTTs to deliver Ethernet services to virtually anywhere, using standard T1 or Fractional T1 circuits. The TNE1520 provides a simple and easy way to extend Ethernet over T1 circuits for high speed access services at distances beyond the reach of xDSL circuits.

The TNE1520 features two (2) T1 port, capable of up to 3.0 Mbps bandwidth, and an integrated 10/100BT Ethernet port for connecting directly to any Ethernet port on a PC or LAN. The TNE1520 can be used in a point-to-point configuration, or it can be used to terminate T1 lines from Zhong Hone's MALC Multiservice Access Loop Carrier and the IPD4000E/12000E IP-DSLAM.

Ethernet over bonded T1 is ideal for delivering highly reliable, resilient access at rates up to 3Mbps. With the TNE1520, bonded groups are automatically created, removed and repaired, providing both ease of use as well as maximum uptime.

The TNE1520 is designed for ease-of-use; configuration requirements are removed completely, allowing this device to be installed into the customer premise quickly and cost-effectively. The TNE1520 is based on Ethernet transport technology over standard T1 lines, providing a 100% Ethernet-based access technology for optimum usability, throughput and reliability.

Technical Specifications

Dimensions

- 1.25" x 5.5" x 4.5" (HxWxD)
- 3.2cm x 14cm x 11.5cm (HxWxD)

Weight

- 0.6 lbs (0.28 kg)

Power

- AC Power Adapter
 - 100-240VAC, 50/60Hz
 - 5VDC
 - 10 watts

Interfaces

- 2 T1 RJ48C 8-position jack
- 1 10/100 Ethernet RJ45

Bandwidth/Distance

- Two (2) T1s; up to 1.5 Mbps per T1
- Selectable FT1 Support: 384, 768, 1152, 1536Kbps (per T1 port)
- Unlimited Distances (using clear-channel, T1 repeaters)

Regulatory Compliance

- EMC: FCC Part 15; CSA/C108.8; EN55022; EN55024
- Safety: UL1950, CSA C22.2 No. 950; EN60950
- CE Marking

Operating Requirements

- Temperature: 32°F to 122°F (0°C to 50°C)
- Non operating: -40°F to 158°F (-40°C to 70°C)
- Humidity: 5% to 95%, non-condensing
- Altitude: -200ft to 16,500ft (-60m to 5,000m)

Ordering Information

TNE1520-S-US	2-Port T1 Network Extender Subscriber unit with North American Power Supply
TNE1520-P-US	2-Port T1 Network Extender Provider unit with North American Power Supply
TNE1520-KIT1-US	2-Port T1 Network Extender Point-to-Point kit, includes one TNE1520-P and one TNE1520-S with NA Power Supplies

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